Selection and Ordering data	Order-No.
SITRANS F M	
MAG 8000 water meter	F) **7ME6810-** ■■■■■ - ■■■■
Diameter	
DN 25 (1“)	**2 D**
DN 40 (1½“)	**2 R**
DN 50 (2“)	**2 Y**
DN 65 (2½“)	**3 F**
DN 80 (3“)	**3 M**
DN 100 (4“)	**3 T**
DN 125 (5“)	**4 B**
DN 150 (6“)	**4 H**
DN 200 (8“)	**4 P**
DN 250 (10“)	**4 V**
DN 300 (12“)	**5 D**
DN 350 (14“)	**5 K**
DN 400 (16“)	**5 R**
DN 450 (18“)	**5 Y**
DN 500 (20“)	**6 F**
DN 600 (24“)	**6 P**
Flange norm and pressure rating	
EN 1092-1	
PN 10 (DN 200 ... 600 (8" ... 24"))	**B**
PN 16 (DN 50 ... 600 (2" ... 24"))	**C**
PN 40 (DN 25 ... 40 (1" ... 1½"))	**F**
ANSI B16.5	
Class 150	**J**
AS4087	
PN 16	**N**
Sensor version	
EPDM liner and Hastelloy electrodes	**3**
Calibration	
Standard ± 0.4% of rate ± 2 mm/s	**1**
Extended ± 0.2% of rate ± 2 mm/s DN 50 ... 300 (2" ... 12")	**2**
Region version	
Europe (m^3, m^3/h, 50 Hz)	**1**
USA (Gallon, GPM, 60 Hz)	**2**
Australia (ML, l/h, 50 Hz)	**3**
Transmitter type and installation	
Basic version integral on sensor	**A**
Basic version remote, 5 m (16.4 ft) mounted cable on sensor with IP68/NEMA 6P plugs	**B**
Do - 10 m (32.8 ft)	**C**
Do - 20 m (65.6 ft)	**D**
Do - 30 m (98.4 ft)	**E**
Advanced version integral on sensor	**K**
Advanced version remote, 5 m mounted cable on sensor with IP68/NEMA 6P plugs	**L**
Do - 10 m (32.8 ft)	**M**
Do - 20 m (65.6 ft)	**N**
Do - 30 m (98.4 ft)	**P**
Communication interface	
No additional "add-on" communication module installed	**A**
Serial RS 485 with MODBUS RTU (Terminated as end device)	**B**
Serial RS 232 with MODBUS RTU	**C**

Selection and Ordering data	Order-No.
SITRANS F M	
MAG 8000 water meter	F) **7ME6810-** ■■■■■ - ■■■■
Power supply	
Internal battery (no battery included)	**0**
Internal battery pack installed [1]	**1**
External battery with 1.5 m (4.9 ft) power cable with IP68/NEMA 6P plugs, no battery included	**2**
12/24 V AC/DC power supply with battery backup and 3 m (9.8 ft) power cable for external connection. (Battery not included)	**3**
115/230 V AC power supply with battery backup and 3 m (9.8 ft) power cable for external connection. (Battery not included)	**4**

[1] Lithium batteries are subject to special transportation regulations according to United Nations "Regulation of Dangerous Goods, UN 3090 and UN 3091". Special transport documentation is required to observe these regulations. This may influence both transport time and costs.

Selection and Ordering data	Order Code
Additional information	
Please add **“-Z“** to Order No. and specify Order code(s) and plain text.	
Flow unit	
l/s	**L00**
MGD	**L01**
CFS	**L02**
l/min	**L03**
m^3/min	**L04**
GPM	**L05**
CFM	**L06**
l/h	**L07**
m^3/h	**L08**
GPH	**L09**
CFH	**L10**
GPS	**L11**
Ml/d	**L12**
m^3/d	**L13**
GPD	**L14**
Totalizer Volume calculation (default totalizer 1= forward and totalizer 2 = reverse)	
Totalizer 1 = RV, reverse flow	**L20**
Totalizer 1 = NET, net flow	**L22**
Totalizer 2 = FW, forward flow	**L30**
Totalizer 2 = NET, net flow	**L31**
Volume unit	
m^3	**L40**
Ml	**L41**
G	**L42**
AF	**L43**
l x 100	**L44**
m^3 x 100	**L45**
G x 100	**L46**
CF x 100	**L47**
MG	**L48**
G x 1000	**L49**
CF x 1000	**L50**
Al	**L51**
kl	**L52**

F) Subject to export regulations AL: 9I999, ECCN: N.

Selection and Ordering data	Order Code
Additional information	
Please add **"-Z"** to Order No. and specify Order code(s) and plain text.	
Pulse set up (default pulse A= forward and pulse B = Alarm)	
A function = RV, reverse flow	**L62**
A function = FWnet, forward net flow	**L63**
A function = RVnet, reverse net flow	**L64**
A function = Off	**L65**
Volume per pulse A = x 0.0001	**L70**
Volume per pulse A = x 0.001	**L71**
Volume per pulse A = x 0.01	**L72**
Volume per pulse A = x 0.1	**L73**
Volume per pulse A = x 1	**L74**
B function = FW, forward flow	**L80**
B function = RV, forward flow	**L81**
B function = FWnet, forward net flow	**L82**
B function = RVnet, reverse net flow	**L83**
B function = Alarm	**L84**
B function = Call up	**L85**
Volume per pulse B = x 0.0001	**L90**
Volume per pulse B = x 0.001	**L91**
Volume per pulse B = x 0.01	**L92**
Volume per pulse B = x 0.1	**L93**
Volume per pulse B = x 1	**L94**
Various	
Protection of CT parameters	**M02**
Data logger set up (default month logging)	
DataloggerInterval = Daily	**M31**
DataloggerInterval = Weekly	**M32**
Factory mounted cables	
5 m (16.4 ft) pulse cable A+B	**M81**
5 m (16.4 ft) communication cable RS 232/RS 485 terminated as end device	**M82**
2 x 5 m (16.4 ft) pulse A+B and communication cable	**M83**
20 m (65.6 ft) pulse cable A+B	**M84**
20 m (65.6 ft) communication cable RS 232/RS 485 terminated as end device	**M85**
2 x 20 m (65.6 ft) pulse A+B and communication cable	**M86**
Cello 2 channel, input cable 3 m (9.84 ft) with Brad Harrison micro-change 3 way connector	**M87**
Cello 2 channel, input cable 5 m (16.4 ft) with MIL-C-26482 spec. connectors	**M89**

Selection and Ordering data	Order-No.
SITRANS F M	
MAG 8000 CT water meter with EPDM liner and Hastelloy electrodes F)	**7ME6820-**

Diameter

DN 50 (2“)/Q3 63 m^3/h (m^3) without verification or DN 50 (2“)/Q3 15 m^3/h (m^3) with MI-001 verification	**2 Y**
DN 65 (2½“)/Q3 100 m^3/h (m^3) without verification or DN 65 (2½“)/Q3 25 m^3/h (m^3) with MI-001 verification	**3 F**
DN 80 (3“)/Q3 150 m^3/h (m^3) without verification or DN 80 (3“)/Q3 40 m^3/h (m^3) with MI-001 verification	**3 M**
DN 100 (4“)/Q3 250 m^3/h (m^3) without verification or DN 100 (4“)/Q3 60 m^3/h (m^3) with MI-001 verification	**3 T**
DN 125 (5“)/Q3 400 m^3/h (m^3) without verification or DN 125 (5“)/Q3 100 m^3/h (m^3) with MI-001 verification	**4 B**
DN 150 (6“)/Q3 629 m^3/h (m^3) without verification or DN 150 (6“)/Q3 150 m^3/h (m^3) with MI-001 verification	**4 H**
DN 200 (8“)/Q3 997 m^3/h (m^3) without verification or DN 200 (8“)/Q3 250 m^3/h (m^3) with MI-001 verification	**4 P**
DN 250 (10“)/Q3 1600 m^3/h (m^3) without verification or DN 250 (10“)/Q3 400 m^3/h (m^3) with MI-001 verification	**4 V**
DN 300 (12“)/Q3 2500 m^3/h (m^3) without verification or DN 300 (12“)/Q3 600 m^3/h (m^3) with MI-001 verification	**5 D**

Flange norm and pressure rating

EN 1092-1	
PN 16	**C**
ANSI B16.5	
Class 150	**J**
AS4087	
PN 16	**N**

Approval/Verification

Without verification according to OIML R49	**0**
MI-001 Q3/Q1 = 25	**1**
MI-001 Q3/Q1 = 63	**2**
MI-001 Q3/Q1 = 80	**3**

Region version

Europe (m^3, m^3/h, 50 Hz)[1]	**1**
USA (m^3, m^3/h, 60 Hz)	**2**

Transmitter type and installation

Basic version integral on sensor[1]	**A**
Basic version remote, 5 m (16.4 ft) mounted cable on sensor with IP68/NEMA 6P plugs	**B**
Do - 10 m (32.8 ft)	**C**
Advanced version integral on sensor[1]	**K**
Advanced version remote, 5 m mounted cable on sensor with IP68/NEMA 6P plugs	**L**
Do - 10 m (32.8 ft)	**M**

Communication interface

No additional "add-on" communication module installed	**A**
Serial RS 485 with MODBUS RTU (Terminated as end device)	**B**
Serial RS 232 with MODBUS RTU	**C**

Selection and Ordering data	Order-No.
SITRANS F M	
MAG 8000 CT water meter with EPDM liner and Hastelloy electrodes F)	**7ME6820-**

Power supply

Internal battery (no battery included)	**0**
Internal battery pack installed[2]	**1**
External battery with 1.5 m (4.9 ft) power cable with IP68/NEMA 6P plugs, no battery included	**2**
12/24 V AC/DC power supply with battery backup and 3 m (9.8 ft) power cable for external connection. (Battery not included)	**3**
115/230 V AC power supply with battery backup and 3 m (9.8 ft) power cable for external connection. (Battery not included)	**4**

1) Integral (compact) transmitter is mandatory for MI-001 certified products

2) Lithium batteries are subject to special transportation regulations according to United Nations "Regulation of Dangerous Goods, UN 3090 and UN 3091". Special transport documentation is required to observe these regulations. This may influence both transport time and costs.

Selection and Ordering data	Order Code
Additional information	
Please add **“-Z“** to Order No. and specify Order code(s) and plain text.	
Pulse set up (default pulse A= forward and pulse B = Alarm)	
Volume per pulse A = x 0.001 m^3	**L71**
Volume per pulse A = x 0.01 m^3	**L72**
Volume per pulse A = x 0.1 m^3	**L73**
Volume per pulse A = x 1 m^3	**L74**
Data logger set up (default month logging)	
DataloggerInterval = Daily	**M31**
DataloggerInterval = Weekly	**M32**
Factory mounted cables	
5 m (16.4 ft) pulse cable A+B	**M81**
5 m (16.4 ft) communication cable RS 232/RS 485 terminated as end device	**M82**
2 x 5 m (16.4 ft) pulse A+B and communication cable	**M83**
20 m (65.6 ft) pulse cable A+B	**M84**
20 m (65.6 ft) communication cable RS 232/RS 485 terminated as end device	**M85**
Cello 2 channel, input cable 3 m (9.84 ft) with Brad Harrison micro-change 3 way connector	**M87**
Cello 2 channel, input cable 5 m (16.4 ft) with MIL-C-26482 spec. connectors	**M89**

F) Subject to export regulations AL: 9I999, ECCN: N.